

Converting Colors

XYZ(50.7985, 44.1872, 83.5211)

Have a look what the booklet for
XYZ(50.7985, 44.1872, 83.5211)
contains.

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Color

**XYZ(50.8917, 44.2272,
83.6963)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A4EA
RGB	196, 164, 234
RGB Percent	77%, 64%, 92%
CMY	0.2314, 0.3568, 0.0823
CMYK	0.16, 0.30, 0.00, 0.08
HSL	267°, 62%, 78%
HSV	267°, 30%, 92%
XYZ	50.8917, 44.2272, 83.6963
YIQ	181.5480, -3.3980, 28.5540

Conversions

Conversions Part 2

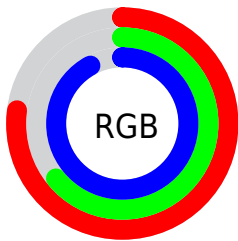
Format	Color
R _{YB}	196, 164, 234
Decimal	12887274
CIE _{Lab}	72.38, 25.06, -30.83
CIE _{LCh}	72, 39.732, 309.111
Yxy	44.2272, 0.2846, 0.2473
Android (android.graphics.Color)	4291077354 (0xFFC4A4EA)
YUV	181.5480, 25.8588, 12.6744
Hunter-Lab	66.5035, 20.2156, -28.0654

Details

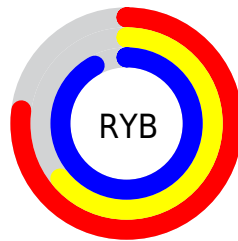
The XYZ color **50.8917, 44.2272, 83.6963** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.4821, 74.0836, 46.2357**, and the grayscale version is **44.0845, 46.3803, 50.5082**.

A 20% lighter version of the original color is **83.8895, 78.7657, 105.3896**, and **24.8146, 20.4654, 44.7618** is the 20% darker color. If you saturate the color by 10%, you get **43.9177, 34.9778, 82.2793**, and if you desaturate by 10%, it is **58.9188, 55.1653, 85.3852**.

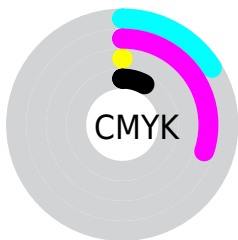
Distribution



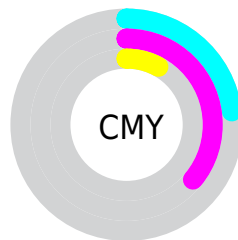
- Red (77%)
- Green (64%)
- Blue (92%)



- Red (77%)
- Yellow (64%)
- Blue (92%)



- Cyan (16%)
- Magenta (30%)
- Yellow (0%)
- Black (8%)





- Cyan (23%)
- Magenta (36%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8917, 44.2272, 83.6963 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.8917, 44.2272, 83.6963 by changing the saturation by 10% instead.

 50.8917, 44.2272,
83.6963

 50.8917, 44.2272,
83.6963

380.5375,
363.6346, 527.3358

 36.3431, 30.8492,
62.2208


 90.6786, 81.5595,
140.4082

 24.8706, 20.4840,
44.7742


 116.6476,
106.2826, 176.4817

 16.1089, 12.7474,
30.9379


147.1542,
135.5561, 218.2582

 9.6926, 7.2548,
20.2935

182.5637,
169.7645, 266.1564

 5.2563, 3.6220,
12.4224

223.2414,
209.2922, 320.5947

 2.4347, 1.4644,
6.9060

269.5527,

 0.8625, 0.2635,

254.5235, 381.9916

3.3258

321.8629,
305.8428, 450.7659

■ 0.0000, 0.0000,
1.2633

■ 0.0000, 0.0000,
0.0314

■ 50.8917, 44.2272,
83.6963

■ 50.8917, 44.2272,
83.6963

■ 43.9177, 34.9778,
82.2793

■ 58.9188, 55.1653,
85.3852

■ 37.9433, 27.3234,
81.1167

■ 68.0404, 67.8682,
87.3564

■ 32.9163, 21.1694,
80.1938

■ 78.3007, 82.4139,
89.6232

■ 28.7775, 16.4086,
79.4930

■ 88.9037, 97.2010,
91.9185

■ 25.4602, 12.9188,
78.9943

■ 91.8514, 98.7206,
92.0565

■ 22.8858, 10.5553,
78.6738

■ 20.9268, 9.0758,
78.4914

■ 20.9113, 9.0646,
78.4901

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1540, 44.2272, 95.7470



50.8917, 44.2272, 83.6963



55.5613, 44.2272, 62.8744

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.8917, 44.2272, 83.6963



46.9030, 44.2272, 20.8399



30.3412, 44.2272, 54.3704

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.8917, 44.2272, 83.6963



60.4821, 74.0836, 46.2357

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.9067, 44.2272, 35.9348



50.8917, 44.2272, 83.6963



39.9881, 44.2272, 19.7161

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.8917, 44.2272, 83.6963



53.0905, 44.2272, 28.0876



34.2734, 44.2272, 24.4422



32.6346, 44.2272, 76.0413

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.8917, 44.2272, 83.6963



56.6071, 44.2272, 48.7426



34.2734, 44.2272, 24.4422



30.2091, 44.2272, 47.5739

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.8932, 44.2290, 83.6973



83.7247, 83.9346, 106.3960



51.4007, 56.3107, 86.0025



17.5517, 17.4469, 22.6925



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.8932, 44.2290, 83.6973



56.4052, 46.4881, 100.6080



60.9218, 49.3990, 84.1666



14.8854, 14.8862, 19.0110



11.8922, 5.1666, 44.1134



1.0435, 0.4623, 3.4691

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57.8692, 48.3094, 62.1534



66.3874, 52.3313, 69.5758



52.1673, 69.7971, 45.8466



15.4075, 15.1908, 17.4311



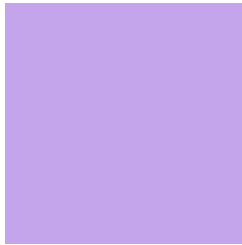
21.2859, 10.7170, 12.5727



1.7199, 0.8609, 1.2425

Previews

White Background



This preview shows how the XYZ color 50.8917, 44.2272, 83.6963 looks on a white background.

Color Contrast Check

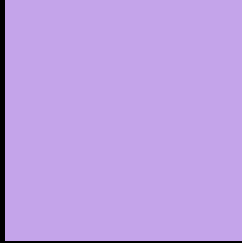
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.8917, 44.2272, 83.6963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

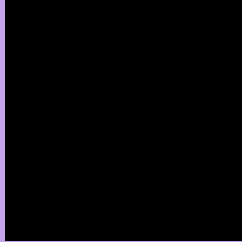
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8917, 44.2272, 83.6963

Background



This preview shows how black text looks on a background with the XYZ color 50.8917, 44.2272, 83.6963.



This preview shows how white text looks on a background with the XYZ color 50.8917, 44.2272,

83.6963.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.8917, 44.2272, 83.6963

Protanopia

45.6082, 44.4001, 90.9603

Deuteranopia

45.6213, 44.5931, 82.5468



Tritanopia

44.6522, 44.1664, 53.1852

Trichromacy



Original Color

50.8917, 44.2272, 83.6963

Protanomaly

47.3043, 44.1877, 88.4740

Deuteranomaly

47.4024, 44.3561, 83.1540

Tritanomaly

46.7597, 44.1855, 63.1909

Monochromacy



Original Color

50.8917, 44.2272, 83.6963

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.3661, 45.4418, 61.5857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8917, 44.2272, 83.6963 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 164, 234)` looks like.

```
.text, #text, p{  
    color:rgb(196, 164, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 164, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 164, 234) }
```

Border

The CSS property to change the border of an element to XYZ 50.8917, 44.2272, 83.6963 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 164, 234) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 164, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 164, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 164, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 164, 234);  
box-shadow:4px 4px 4px 4px rgb(196, 164,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8917, 44.2272, 83.6963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 164, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
164, 234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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